

AMENDMENTS TO THE SPECIFICATION

Please insert the following section headings on page 1, after the title and before line 1:

-- BACKGROUND OF THE INVENTION

Field of the Invention --

Please insert the following section heading on page 1, before line 4:

-- Description of the Related Art --

Please insert the following section heading on page 2, before line 7:

-- SUMMARY OF THE INVENTION --

Please DELETE lines 10 and 11 on page 2 in their entirety.

Please replace the paragraph one page 2, beginning at line 12, with the following replacement paragraph:

-- The invention, ~~according to claim 1~~, turns to advantage the capability that a personal computer's operating system has, in splitting an image in several ones, in cooperation with graphic cards equipped with two separate outputs. A software application has been developed to produce a high-resolution image, which is projected in multiple vertically or horizontally tiled monitors, without stereoscopic projection though. --

Please insert the following paragraph on page 2, after line 17:

-- The present invention is directed to a system for stereoscopic representation of a subject. The system includes a computer in communication with a graphic card. The graphic card includes at least two outputs, and two images capturing the subject from two different positions are directed to the outputs. --

Please DELETE lines 18 and 19 on page 2 in their entirety.

Please insert the following section heading on page 2, before line 20:

-- BRIEF DESCRIPTION OF THE DRAWINGS --

Please DELETE lines 20-24 on page 2 in their entirety and insert the following paragraphs in their place:

-- Fig. 1 is a schematic view of a stereoscopic system according to the prior art;
Fig. 2 is a perspective view of an active stereoscopic system according to the prior art;
Fig. 3 is a perspective view of a passive stereoscopic system according to the prior art;

Fig. 4 is a schematic view of a personal computer for use in the system according to the present invention; and

Please DELETE lines 1 and 2 on page 3 in their entirety and insert the following paragraph in their place:

-- Fig. 5 is a schematic view of a system and method for stereoscopic representation of a subject according to the present invention. --

Please insert the following section heading on page 3, before line 3:

-- DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENT --

Please replace the paragraph on page 3, beginning at line 3, with the following replacement paragraph:

-- For the stereoscopic representation of a subject (10), according to one embodiment of the current present invention, nothing more than a simple a computer, such as a personal computer (40), a common operating system (50), a graphic card with dual display (70) and the appropriate software (60) ~~is being required are used~~. The one and united image (100) that the specific software creates, and which comprises from the two images (80, 90) homological to images (20, 30), is driven through two signals (85, 95) in a screen (120, 150), where the user may stereoscopically observe the subject. In the case of direct stereoscopy the images are driven in two displays (120), whereas in indirect stereoscopy the images are driven in a single display (150). --

Please replace the paragraph on page 3, beginning at line 13, with the following replacement paragraph:

-- With the current invention, ~~we are able to produce both direct and indirect stereoscopy can be achieved~~. The picture generated by the personal computer (40) using the specific software (60) is integral, with resolution 2a x b where a and b is the resolution of the right and left displays (120, 150). The image corresponding to the left eye (80), is positioned in the half left part of the total image (100), and - similarly - the image corresponding to the right eye image (90) is placed on the other (right) half part of the total image (100). Using any modern graphic card which has dual output (70), and through the appropriate configuration in the Microsoft Windows operating system (50), the original image of resolution 2a x b is split in half (85,95) and redirected to the

two outputs, which send these two signals (85,95) in the corresponding projection displays (120 or 150) of a x b resolution each. --

Please insert the following paragraph on page 4, before line 9:

-- The present invention provides for new and novel stereoscopic system and methods using presently available equipment and technologies. With reference to the figures, a commercially available camera (25) can be used to capture video corresponding to the left eye, and another commercially available camera (35) can be used to capture video corresponding to the right eye. Similarly, a commercially available graphic card with dual output can be used in this system. With reference to Fig. 2, an "eye glasses type" dual projection system (110), such as in a commercially available head-mounted stereoscopic display, and a small size high resolution monitor (120), such as the display in a digital video camera for each eye, may be used in conjunction with the presently-invented system. Further, with reference to Fig. 3, the present invention may also use a commercially available convergence projector stand (130) (for twin projectors) and a video projector (140). --